

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AND STREET LIGHTING AT THE INTERSECTION OF MD 43 (WHITE MARSH BLVD.) AND CROSSROADS CIRCLE IN BALTIMORE COUNTY. MD 43 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

THE TRAFFIC SIGNAL WILL OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH LEAD-LAG EXCLUSIVE LEFT TURN PHASES FOR MD 43 AND SIDE STREET SPLIT PHASING.

INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH TWO (2), FOUR-CHANNEL, TIME-DELAY-OUTPUT DETECTOR AMPLIFIERS AND VIDEO DETECTION INTERFACE EQUIPMENT HOUSED IN A NEMA "6" BASE MOUNTED CABINET.

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE MSHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR MUST PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE, AND PHONE NUMBER.

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

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* INCLUDES REMOVAL OF EXISTING

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NC

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL
BECOME THE PROPERTY OF THE CONTRACTOR.

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER – TRAFFIC
(410) 229-2380

MR. MICHAEL PASQUARIELLO
UTILITY ENGINEER
(410) 229-2341

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MR. ED RODENHIZER
CHIEF - SIGNAL OPERATIONS SECTION
(410) 787-7652

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 229-2361

PHASE 2 & 5	←R←	←R←	←R←	R	R	←G←	←G←	G	G	R	R	R	R	R	R	R	R	
2 & 5 CHANGE	←R←	←R←	←R←	R	R	←Y←	←Y←	G	G	R	R	R	R	R	R	R		
PHASE 2 & 6	←R←	←R←	←R←	R	G	G	←R←	←Y←	G	G	R	R	R	R	R	R	R	
2 & 6 CHANGE	←R←	←R←	←R←	R	G	G	←R←	Y	Y	R	R	R	R	R	R	R		
PHASE 1 & 6	←G←	←G←	←G←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	R	R	
1 & 6 CHANGE	←Y←	←Y←	←Y←	Y	Y	←R←	←R←	R	R	R	R	R	R	R	R	R		
PHASE 3	←R←	←R←	←R←	R	R	←R←	←R←	R	R	←G←	←G←	G	R	R	R	R	R	
3 CHANGE	←R←	←R←	←R←	R	R	←R←	←R←	R	R	Y	Y	Y	R	R	R	R		
PHASE 4	←R←	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	←G←	←G←	G	R	R	
4 CHANGE	←R←	←R←	←R←	R	R	←R←	←R←	R	R	R	R	R	Y	Y	Y	Y		
FLASHING OPERATION	←FLR←	←FLR←	←FLR←	FLY	FLY	←FLR←	←FLR←	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	FLR	FLR	

A,B,D,E	MICRO-LOOP PROBE LEAD-IN
F,G,H,I	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) TRAY CABLE
H-L	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
M-V	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
W-Z	VIDEO DETECTION CABLE
a	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
b-d	1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
ML	MICRO-LOOP PROBE
PS	PROPOSED ELECTRIC SERVICE
✕	GROUND ROD
⌈	METER SERVICE PEDESTAL

325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101

EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

FILE PATH: M:\2300\2370\signal\signal.dgn
DATE: Tuesday, September 13, 2011 AT 02:56 PM

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 43 (WHITE MARSH BOULEVARD)
AND CROSSROADS CIRCLE /MARKET WAY

SCALE NONE DATE 9-12-2011 CONTRACT NO. BW996M82

DESIGNED BY	T.ZAYDEL	COUNTY	BALTIMORE
DRAWN BY	J.K. SCHMID	LOGMILE	03043007.33
CHECKED BY	K. SCHMID	T.I.M.S. NO.	K-228
F.A.P. NO.	NA	TOD NO.	

DRAWING NO. TS-4744 GI	SHEET NO. 2 OF 2
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